



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

JUL 24 2018

D350-822-011
Job Sheet 181062



Part No: D350-822-011

Job Qty: 1 ea

Part Name: PA100 PUREair System for AS350/EC130



Part Weight: 0 lbs

Status: Scheduled

Priority: Medium

Job Created: 7/20/18

Job Tracking No:

Due Date: 8/30/18

Created By: Linda Lacelle

Type: Stock

Description:

Note: IIN-D350-822 REV.H IPP REV:A 14.02.20 NEW ISSUE DD VERF:JLM IPP REV:B 14.06.18 AS PER IIN
REV.C DD VERF:JLM IPP REV:C 15.06.03 AS PER IIN REV.D DD VERF:JLM IPP REV:C 18.07.11 AS PER
IIN REV.H DD VERF:JFS

Ship Via:

Bill of Materials

Job Routing

Op No	Operation	Qty	Start Date	Due Date	Standard		Workcenter/Supplier		Lead Time
					Setup hrs	Run Hrs	Workcenter / Supplier		
90	Start up Operation	1 Ea	8/30/18	8/30/18	0.00	0.00	Start Up Stores/Pkg-1		
110	Packaging	1 pcs	8/30/18	8/30/18	0.00	0.00	Packaging1-4		
120	QC	1 pcs	8/30/18	8/30/18	0.00	0.00	QC4		
125	Outsource	1 pcs	8/30/18	8/30/18	0.00	0.00	Outsource10		
130	Packaging	1 pcs	8/30/18	8/30/18	0.00	0.00	Packaging3-1		
135	DC	1 pcs	8/30/18	8/30/18	0.00	0.00	DC		
140	QC21-FG	1 Ea	8/30/18	8/30/18	0.00	0.00	QC21		

Part Op 125 - Issue PO to GL account 50000-25 to LEAVE W/O OPEN UNTIL SOLD PO _____ (Send copy of PO to Pall
Descriptions: - James) Issue W/O LINE item for Pall for amount sold on sales order S/O _____ according to sales price see
Warran for amount. (if sale price is \$23,000 - amount is \$13,400) PO can be received immediately and given to finance in
order to close work order.

130 - Identify and pack for shipping as per PPP D350-822-011

135 - Photocopy bluefile & type labels per PPP D350-822-011 CHG004



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CANADA
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www.dartaerospace.com

Container No: S099918



Part: D350-822-011

Job No: 181062

Serial No/Batch: S099918

Revision: H

Inspector:

Exp Date:

Instructions: TC STC SH14-14- Issue 2, FAA STC SR03538NY 15/09/22, EASA

DQA: _____ Date: _____

**WORK ORDER NON-CONFORMANCE / UPDATE**

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
Date : _____	Step #: _____	QTY Effective : _____		MRB (QSI042) Approval	
Description Work Order Deviation		Disposition		Completed By	
				Lead hand / Supervisor Approval Verification	
				QC / QA Coordinator Approval	
Root Cause		FAULT CATEGORY			
Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐	No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐	Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐	Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐	Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Misabeled ☐ Fit/Function ☐ Misaligned/off center ☐	Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐
OTHER : _____					

Job BOM

Part / Item	Component Name	Quantity	Operation	Container
650.0401	Pureair Fairing Assembly	1 Ea (1 ea)	90-Start up Operation	5058007
9752100180	Gasket	1 Ea (1 ea)	90-Start up Operation	5014661
9945000120	Gasket (for B3e models)	1 pcs (1 ea)	90-Start up Operation	5014661
AN821-12J	Elbow (or AN821-12K or 12S)	2 Ea (2 ea)	90-Start up Operation	5054890
AN929-12J	Cap	1 Ea (1 ea)	90-Start up Operation	5024741
D4925-041	Mounting Plate Assembly	1 Ea (1 ea)	90-Start up Operation	5067449
D4931-1	Engine Fitting (for acft models B2 & previous)	1 Ea (1 ea)	90-Start up Operation	5043549
D4931-3	Engine Fitting (For B3 Models)	1 Ea (1 ea)	90-Start up Operation	5047930
D4931-5	Engine Fitting (for B3e models)	1 Ea (1 ea)	90-Start up Operation	5047643
D4935-1	Mounting Bracket	6 Ea (6 ea)	90-Start up Operation	5057126
D4943-1	Flex Hose	1 Ea (1 ea)	90-Start up Operation	5156119
D4961-041	Tube Assembly	1 Ea (1 ea)	90-Start up Operation	5055404
D4961-043	Tube Assembly	1 Ea (1 ea)	90-Start up Operation	5052895
D5079-1	Placard, Eaps	2 Ea (2 ea)	90-Start up Operation	5006377
D5090-041	Duct Assembly	1 Ea (1 ea)	90-Start up Operation	5060605
D5105-1	Handle	2 Ea (2 ea)	90-Start up Operation	5047176
D5110-1	Swivel Nut Fitting	1 Ea (1 ea)	90-Start up Operation	5044168
D5179-1	Doubler	2 Ea (2 ea)	90-Start up Operation	5048935
D5179-3	Doubler	2 Ea (2 ea)	90-Start up Operation	5044969
D5194-1	Doubler	2 Ea (2 ea)	90-Start up Operation	5051509
D5208-041	Blanking Plate Assembly	3 Ea (3 ea)	90-Start up Operation	5066044
LN9038-05012	Bolt	36 pcs (36 ea)	90-Start up Operation	5048588
LN9038-05040	Bolt	1 pcs (1 ea)	90-Start up Operation	50136260
LN9348-05	Nut	32 pcs (32 ea)	90-Start up Operation	5074902
MS20470AD3-4	Rivet, Universal Head	18 Ea (18 ea)	90-Start up Operation	50136065-40
MS21919WCH12	Clamp	1 Ea (1 ea)	90-Start up Operation	5014741
MS9592-138	Bracket	1 pcs (1 ea)	90-Start up Operation	5014155
NAS1149D0332J	Washer	70 Ea (70 ea)	90-Start up Operation	5035396
NAS43DD3-64	Spacer	1 Ea (1 ea)	90-Start up Operation	5050057
22208CM050016E	Screw	2 pcs (2 ea)	90-Start up Operation	50138012
23350CA050	Washer	2 Ea (2 ea)	90-Start up Operation	5013736
9945000160	Gasket	1 Ea (1 ea)	90-Start up Operation	5050821
D5526-1	Upper Hose Protector	1 Ea (1 ea)	90-Start up Operation	5057355
D5526-3	Lower Hose Protector	1 Ea (1 ea)	90-Start up Operation	5057734
LN9038-05016	Bolt	2 pcs (2 ea)	90-Start up Operation	50132469
BS4320-A5	Washer	56 Ea (56 ea)	110-Packaging	5048677
LN29985-A05	Anchor Nut	15 pcs (15 ea)	110-Packaging	5048677
LN9038-05018	Bolt	56 pcs (56 ea)	110-Packaging	5048677
MS20426AD3-3	Rivet	40 Ea (40 ea)	110-Packaging	5048677
QB21304	Pureair Panel Assembly	1 pcs (1 ea)	110-Packaging	5048674
QB21308	Fod Screen Assembly	1 pcs (1 ea)	110-Packaging	5048675
QB21310	Transition Duct Assembly	1 pcs (1 ea)	110-Packaging	5048676
QR10616	Vortex Tube Repair	1 pcs (1 ea)	110-Packaging	5048678

04838

DQA: _____ Date: _____



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Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
Date :	Step #:	QTY Effective :		MRB (QSI042) Approval	
Description Work Order Deviation		Disposition		Completed By	
				Lead hand / Supervisor Approval Verification	
				QC / QA Coordinator Approval	
Root Cause		FAULT CATEGORY			
Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐	No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐	Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐	Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐	Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Misabeled ☐ Fit/Function ☐ Misaligned/off center ☐	Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐
OTHER : _____					

Job Allocations				
Operation	Component Part	Required	Inventory	Allocated
90-Start up Operation	22208CM050016E	2	30	0
	23350CA050	2	42	0
	650.0401	1	11	0
	9752100180	1	1	0
	9945000120	1	7	0
	9945000160	1	4	0
	AN821-12J	2	23	0
	AN929-12J	1	9	0
	D4925-041	1	14	0
	D4931-1	1	22	0
	D4931-3	1	6	0
	D4931-5	1	7	0
	D4935-1	6	30	0
	D4943-1	1	23	0
	D4961-041	1	12	0
	D4961-043	1	1	0
	D5079-1	2	22	0
	D5090-041	1	4	0
	D5105-1	2	10	0
	D5110-1	1	21	0
	D5179-1	2	21	0
	D5179-3	2	36	0
	D5194-1	2	11	0
	D5208-041	3	11	0
	D5526-1	1	5	0
	D5526-3	1	4	0
	LN9038-05012	36	244	0
	LN9038-05016	2	56	0
	LN9038-05040	1	31	0
	LN9348-05	32	194	0
	MS20470AD3-4	18	6,665	0
	MS21919WCH12	1	16	0
	MS9592-138	1	22	0
	NAS1149D0332J	70	1,379	0
	NAS43DD3-64	1	21	0
110-Packaging	BS4320-A5	56	63	0
	LN29985-A05	15	102	0
	LN9038-05018	56	767	0
	MS20426AD3-3	40	3,921	0
	QB21304	1	1	0
	QB21308	1	1	0
	QB21310	1	2	0
	QR10616	1	5	0
Part Specifications				
Specifications could not be found.				

DQA: _____ Date: _____



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OTHER : ☐					

5.0 PARTS LIST

QTY -011	QTY -013	PART NUMBER	DESCRIPTION
X		D350-822-011	PA100 PUREAIR SYSTEM
	X	D350-822-013	PA100 PUREAIR PROVISIONS
1		QB05008	PUREAIR SYSTEM
1**		QR10616	TUBE REPAIR KIT
1**		QB21304	PUREAIR PANEL ASSY
1**		QB21310	TRANSITION DUCT ASSY
1**		QB21308	FOD SCREEN ASSY
15**		LN29985-A05	ANCHOR NUT
56**		LN9038-05018	BOLT
56**		BS4320-A5	WASHER
40**		MS20426AD3-3	RIVET
1	1	650.0401	PUREAIR FAIRING ASSY
1	1	D4925-041	MOUNTING PLATE ASSY
1*	1*	D4931-1	ENGINE FITTING
1*	1*	D4931-3	ENGINE FITTING
1*	1*	D4931-5	ENGINE FITTING
6	6	D4935-1	MOUNTING BRACKET
1	1	D4943-1	FLEX HOSE
1	1	D4961-041	TUBE ASSEMBLY
1	1	D4961-043	TUBE ASSEMBLY
2	2	D5079-1	PLACARD
1	1	D5090-041	DUCT ASSEMBLY
2	2	D5105-1	HANDLE
1	1	D5110-1	SWIVEL NUT FITTING
2	2	D5179-1	DOUBLER
2	2	D5179-3	DOUBLER
2	2	D5194-1	DOUBLER
3	3	D5208-041	BLANKING PLATE ASSY
1	1	D5526-1	HOSE PROTECTOR
1	1	D5526-3	HOSE PROTECTOR
2	2	23350CA050	LOCKING TAB
1*	1*	9752100180	GASKET
1*	1*	9945000120	GASKET
1*	1*	706A33-201-001	GASKET (OR 9945000160)
2	2	22208CM050016E	SCREW
2	2	AS1034J1212	ELBOW (OR AN821-12K OR AN821-12S OR AN821-12J)
1	1	AN929-12J	CAP
70	70	BS4320-A5	WASHER (OR NAS1149D0332J)
36	36	LN9038-05012	BOLT
2	2	LN9038-05016	BOLT
1	1	LN9038-05040	BOLT
32	32	LN9348-05	NUT
18	18	MS20470AD3-4	RIVET
1	1	MS21919WCH12	CLAMP (OR MS21919WHG12)
1	1	MS9592-138	BRACKET
1	1	NAS43DD3-64	SPACER

* USE APPROPRIATE FITTING/GASKET BASED ON ENGINE INSTALLATION

** PART OF QB05008 ABOVE

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Revision: H

Date: 18.06.03